SONY

2-629-003-**12**(1)

Portable Hard Disk Audio Player
Network Walkman NW-HD5/NW-HD5H

Operating Instructions *Preparations/Basic Operations*

Quick Start Guide

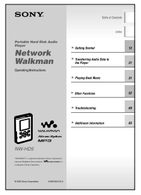
Owner's Record

The model and serial numbers are located on the bottom of the player. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.
Model No. NW-HD5
Serial No. _____

Printed on 100% recycled paper using VOC (Volatile Organic Compound)-free vegetable oil based ink.

Refer also to the PDF of the Operating Instructions

This Quick Start Guide briefly explains the preparation, how to transfer audio data, and basic playback procedures of the player.
You can enjoy various play modes and setup items on the player. See the PDF of the Operating Instructions for details on functions and troubleshooting.



To see the PDF file

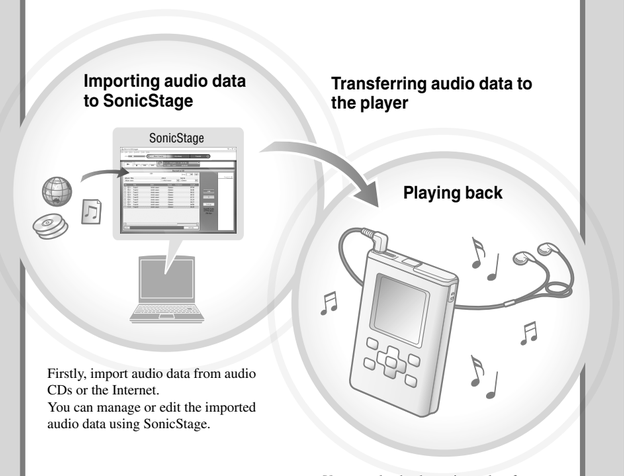
The PDF of the Operating Instructions is installed on your PC together with SonicStage from the supplied CD-ROM. To use the PDF, double-click "NW-HD5 series manuals" on the desktop or click "Start" – "All Programs"– "SonicStage" – "Operating Instructions."
Adobe Acrobat Reader 5.0 or more or Adobe Reader is necessary. If you cannot view the PDF, click "Get Adobe Reader" on the SonicStage install window and follow the instructions on the screen.

© 2005 Sony Corporation Printed in Malaysia

* 2 6 2 9 0 0 3 1 2 * (1)

To enjoy music on the player

You can carry a number of music tracks with you by importing them to the player using SonicStage.



Firstly, import audio data from audio CDs or the Internet.
You can manage or edit the imported audio data using SonicStage.

You can play back music tracks of selected artists or albums. You can also select the playback mode, from Shuffle play or Repeat play, etc.

Now enjoy the player →

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

To prevent fire, do not cover the ventilation of the apparatus with newspapers, table cloths, curtains, etc. And don't place lighted candles on the apparatus.

To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the apparatus.

For the customers in the USA and Canada

RECYCLING LITHIUM-ION BATTERIES
Lithium-ion batteries are recyclable. You can help preserve our environment by returning your used rechargeable batteries to the collection and recycling location nearest you.

For more information regarding recycling of rechargeable batteries, call toll free 1-800-822-8837, or visit **http://www.rbrc.org/**.

Caution: Do not handle damaged or leaking Lithium-ion batteries.

For the customers in the USA

INFORMATION:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
– Reorient or relocate the receiving antenna.
– Increase the separation between the equipment and receiver.
– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
– Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

If you have any questions about this product:

Visit: www.sony.com/walkmansupport

Contact: Sony Customer Information Service Center at 1-(866)-456-7669

Write: Sony Customer Information Services Center12451 Gateway Blvd., Fort Myers, FL 33913

Model NW-HD5 only

Declaration of Conformity

Trade Name:	SONY
Model No.:	NW-HD5
Responsible Party:	Sony Electronics Inc.
Address:	16450 W. Bernardo Dr, San Diego, CA 92127 USA
Telephone Number:	858-942-2230

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.
Applicable accessories: Headphones

For the Customers In Netherlands
Voor de Klanten in Nederland

Gooi de batterij niet weg maar lever deze in als klein chemisch afval (KCA).

In sommige landen gelden wettelijke voorschriften met betrekking tot de afvoer van de batterij waarmee dit toestel wordt gevoed. Raadpleeg hiervoor de lokale instanties.

For the Customers in Russia
Для покупателей в России

Этот знак относится только к адаптеру переменного тока.

Портативный плеер со встроенным жёстким диском
Произведено в Малайзии
Изготовитель: Сони Корпорейшн
Адрес: 6-7-35 Киташинагава, Шинагава-ку, Токио 141-0001, Япония

Notice for users

On the supplied software

- The ability to display the languages on the software will depend on the installed OS on your PC. For better results, please ensure that the installed OS is compatible with the desired language you want to display.
  – We do not guarantee all the languages will be able to be displayed properly on the software.
  – User-created characters and some special characters may not be displayed.
- Depending on the type of the text and characters, the text shown on the software may not be displayed properly on the device.
  This is due to:
  – The capability of the connected device.
  – The device is not functioning normally.
- SonicStage and SonicStage logo are trademarks or registered trademarks of Sony Corporation.
- OpenMG, ATRAC, ATRAC3, ATRAC3plus and their logos are trademarks of Sony Corporation.
- Microsoft, Windows, Windows NT and Windows Media are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries.
- IBM and PC/AT are registered trademarks of International Business Machines Corporation.
- Macintosh is a trademark of Apple Computer, Inc. in the United States and/or other countries.
- Pentium is a trademark or a registered trademark of Intel Corporation.
- US and foreign patents licensed from Dolby Laboratories.
- All other trademarks and registered trademarks are trademarks or registered trademarks of their respective holders. In this manual, ™ and ® marks are not specified.
- Adobe Reader is a trademark of Adobe Systems Incorporated.
- MPEG Layer-3 audio coding technology and patents licensed from Fraunhofer IIS and Thomson.
- CD and music-related data from Gracenote, Inc., copyright © 2000-2004 Gracenote.
  Gracenote CDDB® Client Software, copyright 2000-2004 Gracenote. This product and service may practice one or more of the following U.S. Patents: #5,987,525; #6,061,680; #6,154,773, #6,161,132, #6,230,192, #6,230,207, #6,240,459, #6,330,593, and other patents issued or pending. Services supplied and/or device manufactured under license for following Open Globe, Inc. Untied States Patent 6,304,523. Gracenote is a registered trademarks of Gracenote. The Gracenote logo and logotype, and the "Powered by Gracenote" logo are trademarks of Gracenote.

Program ©2001, 2002, 2003, 2004, 2005 Sony Corporation
Documentation ©2005 Sony Corporation

"WALKMAN" is a registered trademark of Sony Corporation to represent Headphone Stereo products.
WALKMAN is a trademark of Sony Corporation.

Getting Started

1 Checking the supplied accessories

- Headphones (1)

- Dedicated USB cable (1)

- AC power adaptor (1)
- Carrying case (1)
- CD-ROM (1) *
  Includes:
  – SonicStage software
  – Operating Instructions for the player (PDF)
- Quick Start Guide (this book) (1)

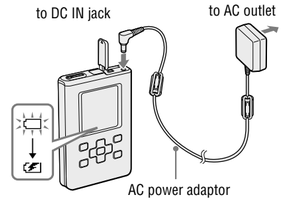
(The rechargeable battery has been installed in the player beforehand).

* Do not play this CD-ROM on an audio CD player.

2 Preparing a power source

Connect the AC power adaptor to the DC IN jack.

Connect the AC power adaptor first, then connect it to an AC outlet.
The battery indicator changes in the display and charging of the battery starts.
Charging is completed in approximately 3 hours, and then "Charged" and light up.

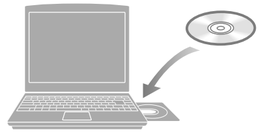


3 Installing SonicStage on your computer

Make sure to use the supplied CD-ROM for installing SonicStage. If SonicStage or OpenMG Jukebox has been installed, the existing software will be overwritten by the new version without erasing the existing functions or audio data registered by the existing software.

❶ Close all other running software.
Check the following to see whether or not there are any applicable items before installing the SonicStage software as they may cause the software installation to fail.
- You are not logged on as an "Administrator" (when using Windows 2000/Windows XP).
- Virus-check software is running. (Such software usually demands a large amount of system resources.)

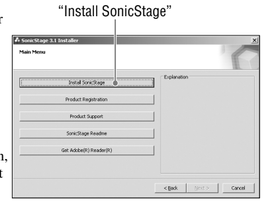
❷ Insert the supplied CD-ROM into the CD drive of your computer.
The setup program starts up automatically and the installation window appears.



❸ When the window on the right appears, click the region in which you will use SonicStage software.
If no windows appear, proceed to step ❹.

❹ Click "Install SonicStage," and then follow the displayed instructions.
Read the instructions carefully.
Depending on your region, the buttons other than "Install SonicStage" may differ from those in the illustration above.
The installation may take 20 to 30 minutes, depending on your system environment.
Make sure to restart your computer after installing SonicStage software.

If any problem occurs during the installation, see steps ① to ④ in "When installing is not successful" below.



SonicStage Install window

When installing is not successful

① Check the required hardware and software below for using SonicStage.

Computer
- IBM PC/AT or Compatible
- CPU: Pentium III 450 MHz or higher
- Hard disk drive space: 200 MB or more (1.5 GB or more is recommended) (The amount of space will vary according to the Windows version and the number of music files stored on the hard disk.)
- RAM: 128 MB or more
- Others
  – CD drive (capable of digital playback by WDM) (CD-R/RW drive is necessary for CD writing.)
  – Sound Board
  – USB port

Operating System
Factory installed: Windows XP Media Center Edition 2005/Windows XP Media Center Edition 2004/Windows XP Media Center Edition/Windows XP Professional/Windows XP Home Edition/Windows 2000 Professional (Service Pack 3 or later)/Windows Millennium Edition/Windows 98 Second Edition

Display
High Color (16 bit) or higher, 800 × 600 dots or better (1024 × 768 dots or better is recommended.)

Others
- Internet access: for Web registration, EMD services, and CDDB
- Windows Media Player (version 7.0 or higher) installed for playing WMA files

SonicStage is not supported by the following environments:
– OSs other than the indicated above.
– Personally constructed PCs or operating systems
– An environment that is an upgrade of the original manufacturer-installed operating system
– Multi-boot environment
– Multi-monitor environment
– Macintosh

② Check the following items.
→ Close all Windows applications before installation.
→ Check that there is at least 200 MB free space on the hard disk of your computer. If not, delete the unnecessary files on your computer.
→ When the installation appears to have stopped before it has finished, check for the appearance of an error message beneath the installation window. Press the "Tab" key while holding down the "Alt" key. If an error message has appeared, follow the instructions on the screen. If there is no message, the installation is still in progress. Wait for a little while longer.
→ When the progress bar on the display of your computer is not moving or the access lamp of your computer has not lit for a few minutes, the installation is progressing normally. Please wait. The installation may take 30 minutes or more, depending on your CD drive or system environment.

③ Should any problem persist after you have checked these symptoms, consult your nearest Sony dealer.

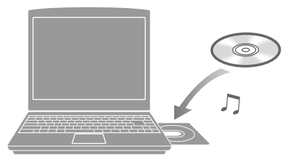
Notes
- We do not guarantee trouble-free operation on all computers that satisfy the system requirement.
- The NTFS format of Windows XP/Windows 2000 Professional can be used only with the standard (factory) settings.
- We do not guarantee trouble-free operation of the system suspend, sleep, or hibernation function on the computers.

Continued ⟶

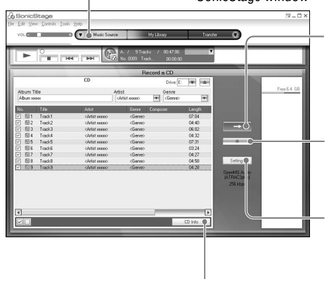
4 Importing audio data to your computer

Record and store tracks (audio data) from an audio CD to the SonicStage “My Library” on the hard disk drive of your computer. If you want to obtain CD information (artist name, track titles, etc.) automatically, connect your computer to the Internet beforehand. To import audio data from the Internet or the hard disk of your computer, refer to the “SonicStage Help.”

1 Double-click (SonicStage) on the desktop of your computer.
SonicStage starts up.



2 Insert the audio CD that you want to record into the CD drive of your computer.


SonicStage window
To stop recording, click .
To change the format and bit rate, click “Settings” before clicking in step 4.
If CD information does not appear automatically, click “CD Info” before clicking in step 4 while connecting to the Internet.

3 Point to ▼ of “▼Music Source,” and select “Import a CD” from the menu.

4 Click .
The recording of the selected tracks starts.

What is the CD information?

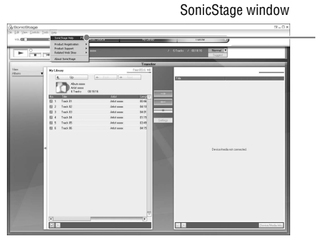
CD information refers to information about audio CDs, such as an album name, an artist’s name, track titles, etc. Using SonicStage, you can obtain CD information for free from the Gracenote CDDB (Gracenote Compact Disc DataBase) service automatically via the Internet when you insert the audio CD into the CD drive of your computer.
Note that you cannot obtain CD information of CDs that are not registered with CDDB. You can change the CD information only on SonicStage.

How will the audio data be managed?

SonicStage manages albums and playlists as explained in the diagram shown on the right.
A playlists enables you to group and play back your favorite tracks or tracks that are sorted by a certain theme, such as movie, etc. You can play back transferred playlists on the player by selecting “Playlist” in the Find display of the player. Refer to “Managing Tracks and Albums” in SonicStage Help for details.

Using SonicStage Help

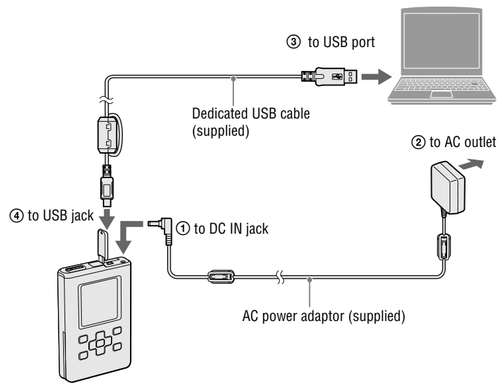
SonicStage Help provides further details on how to use SonicStage.


SonicStage window
Select “Help” – “SonicStage Help” to display the Help. The player is explained as “ATRAC Audio Device” in SonicStage Help.

5 Transferring audio data to the player

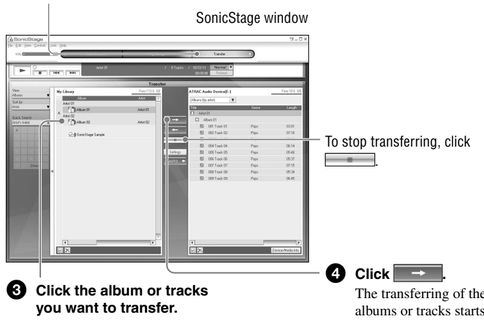
Transfer the tracks (audio data) stored in SonicStage “My Library” to the player in ATRAC3plus or MP3 format.
The audio data to be transferred includes the information, such as an artist name and an album name in the track information.

1 Connect the player to your computer and the AC power adaptor in the order of ① to ④.
“Connecting to PC” appears in the display.



You can also automatically transfer albums include tracks which have not been previously transferred to the player (Automatic Transfer function). To use the Automatic Transfer function, follow the instructions on the screen. For details, see the SonicStage Help. When you transfer the tracks manually, close the window and proceed to step 2.

2 Point to ▼ of “▼Transfer,” and select “ATRAC Audio Device” from the transfer destination list.


SonicStage window
To stop transferring, click .
3 Click the album or tracks you want to transfer.
4 Click .
The transferring of the selected albums or tracks starts.

What is ATRAC3/ATRAC3plus?

ATRAC3plus (Adaptive Transform Acoustic Coding3plus) is an audio compression technology that satisfies the demand for high sound quality and high compression rates. ATRAC3plus is a more advanced version of ATRAC3, and it can compress audio files to about 1/20 of their original size at 64 kbps.

What is a format and bit rate?

Format refers to the recording format, such as WAV or ATRAC3plus, which can be selected when importing tracks from audio CDs.
Bit rate refers to the amount of data processed per second. The larger bit rates provide, better sound quality. However, the larger bit rates require more capacity to store the data.
The default setting is OpenMG Audio (ATRAC3plus) for format and 64 kbps for bit rate.
To change the format and bit rate, click “Settings” on the right side of the SonicStage window.

If the transfer is not completed properly

Disconnect the player from a computer, and then install SonicStage software again using the supplied CD-ROM. As the existing audio will not be erased, it will be transferred to the re-installed SonicStage.

Notes

- Do not remove the battery or disconnect the USB cable while the data is being transferred.
- The number of transfers for a track may be limited for reasons of copyright.

6 Playing back

You can change the language to your own for the menu and the messages in the display.

1 Connect headphones to (headphones)/LINE OUT jack.

2 Slide the HOLD switch in the direction of the arrow in the illustration to unlock the controls.
All the buttons are unlocked.

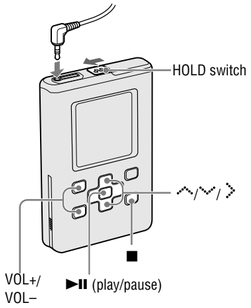
3 Press any button other than ▶II on the player.
The MENU display appears.

4 Press / to select “Find,” and then press ▶II.
The Find display appears.

5 Press / to select a search mode.
To search a track more, press .

6 Press ▶II.
► appears on the left bottom of the display and the player starts playback.
Press ▶II again to pause.

7 Press VOL+/VOL− to adjust the volume.



The player is installed with the function which senses the direction of the player. With using this function, the orientation of the display can be changed according to the direction of the player. For details, see the PDF of the Operating Instructions.

To search tracks

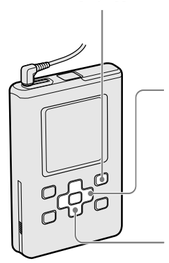
Use and on the player.

To	Operation on the player
Find the beginning of the current track	Press once.
Find the beginning of previous tracks	Press repeatedly.
Find the beginning of the next track	Press once.
Find the beginning of succeeding tracks	Press repeatedly.
Go forward/backwards quickly	Press and hold / .

Selecting tracks to play back

You can select tracks to play back by searching them in “Artist” or “Album,” etc.
For details on how to select tracks (search mode) and about the displays, refer to the “Selecting Tracks to Playback (Album, Artist, Genre, etc.)” of the PDF of the Operating Instructions.

1 Press SEARCH/MENU.
The Find display appears.


2 Press / to select a search mode.
3 To search for more tracks, press . Then press / to select an album or an artist.
4 Press ▶II.
Playback starts from the track you selected or the first track of the item (artist, album, etc.) you selected.

About Find displays and search category for playback

You can select a search mode from “Artist,” “Album,” “Track,” “Genre,” “New Tracks,” “Initials Search” or “Playlist.”
The search category for playback differs depending on the Find display where you start playback. For details, refer to the PDF of the Operating Instructions.

Changing playback options – Shuffle play

You can play back all the tracks in the player or selected tracks randomly.
Playback mode other than Shuffle play, such as Repeat play, Unit play, or Single play, refer to the PDF of the Operating Instructions for details.

1 Press and hold SEARCH/MENU.
The MENU display appears.

2 Press / to select “Options” and then press ▶II.
The Options display appears.

3 Press / to select “Play Mode” and then press ▶II.

4 Press / to select a “Shuffle Tracks,” and then press ▶II.

5 Press SEARCH/MENU to display the Find display, and then select the search category for playback.
To narrow down the search category for playback, press .

6 Press ▶II.
Playback starts. All the tracks are played back once in random order.